(54) **DETERMINING A RECOMMENDED SOFTWARE-STACK FOR A TARGET SOFTWARE ITEM**

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(57) **ABSTRACT**

A recommended software-stack can be determined for a target software item. For example, a system can receive an input specifying a target software item and a characteristic of a computing environment in which the target software item is to be executed. The system can then generate software-stack candidates for the target software item, the software-stack candidates having unique configurations of software components. The system can determine a respective score for each software-stack candidate of the software-stack candidates based on the characteristic of the computing environment and a unique configuration of software components forming the software-stack candidate. The system can select a particular software-stack candidate from the software-stack candidates as a recommended software-stack, based on the respective score for the particular software-stack candidate having a predefined attribute. The system can then generate an output indicating the recommended software-stack to enable the recommended software-stack to be included in the computing environment.

302
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Determine a respective score for each software-stack candidate of the software-stack candidates based on the characteristic of the computing environment and a unique configuration of software components forming the software-stack candidate

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Select a particular software-stack candidate from the software-stack candidates as a recommended software-stack, based on the respective score for the particular software-stack candidate having a predefined attribute

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310
Generate an output indicating the recommended software-stack to enable the recommended software-stack to be included in the computing environment